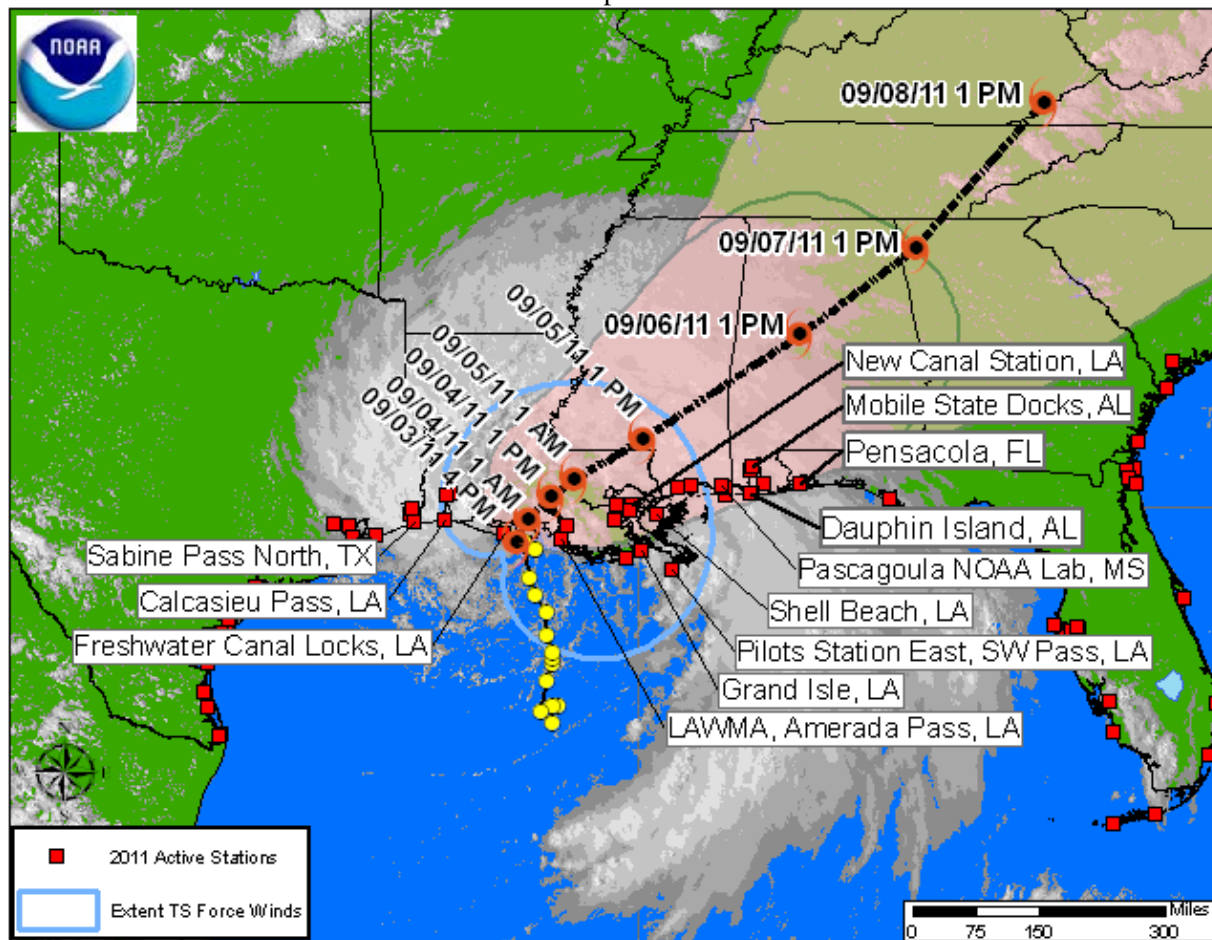




Tropical Storm LEE QuickLook
Posted: 17:00 CDT 09/03/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/03/2011 17:00 CDT, water levels along the northern Gulf of Mexico coastline from the western Florida panhandle to eastern Texas are rising. Levels along the Louisiana coast from LAWMA, Amerada Pass to Shell Beach generally range between 1.5 and 3.9 feet above predictions with New Canal Station, LA measuring the highest residual along the coastline at 4 feet. Water levels within Lake Pontchartrain are rising as well, partially due to runoff from excessive rainfall. Water levels along the southwestern Louisiana and southeastern Texas coastline are showing smaller residuals and a few areas are showing water levels now below predicted tide levels.

Winds from southeastern Louisiana to Alabama are rising and range between 20 and 35 kts with higher gusts.

Barometric pressure continues to fall across the region.

Tropical Storm LEE QuickLook, POSTED 17:00 CDT 09/03/2011

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.38 m) at 09/03/2011 23:22 CDT and 1.3 ft (0.41 m) at 09/05/2011 01:12 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.47 m) at 09/04/2011 03:06 CDT and 1.5 ft (0.48 m) at 09/05/2011 04:15 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.49 m) at 09/04/2011 01:31 CDT and 1.6 ft (0.51 m) at 09/05/2011 02:43 CDT.

Shell Beach, LA: Next predicted high tides are 1.6 ft (0.48 m) at 09/04/2011 06:56 CDT and 1.6 ft (0.49 m) at 09/05/2011 07:46 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.50 m) at 09/04/2011 02:30 CDT and 1.7 ft (0.52 m) at 09/05/2011 03:41 CDT.

Dauphin Island, AL: Next predicted high tides are 1.7 ft (0.52 m) at 09/04/2011 03:37 CDT and 1.7 ft (0.53 m) at 09/05/2011 04:47 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.55 m) at 09/04/2011 03:52 CDT and 1.8 ft (0.57 m) at 09/05/2011 05:08 CDT.

Mobile State Docks, AL: Next predicted high tides are 2.0 ft (0.61 m) at 09/04/2011 05:01 CDT and 2.0 ft (0.61 m) at 09/05/2011 05:57 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.63 m) at 09/03/2011 22:15 CDT and 2.1 ft (0.66 m) at 09/04/2011 23:17 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.1 ft (0.63 m) at 09/03/2011 22:45 CDT and 1.9 ft (0.59 m) at 09/04/2011 06:28 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.8 ft (0.55 m) at 09/03/2011 23:05 CDT and 1.7 ft (0.52 m) at 09/04/2011 06:55 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:WFR

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 9
400 PM CDT SAT SEP 03 2011

...SOGGY LEE LUMBERING NORTHWARD TOWARD SOUTHERN LOUISIANA...
TROPICAL STORM WARNING EXTENDED EASTWARD...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH HAS BEEN REPLACED WITH A TROPICAL STORM WARNING FROM THE ALABAMA/FLORIDA BORDER EASTWARD TO DESTIN FLORIDA.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* DESTIN FLORIDA WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 PM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED BY SATELLITE AND OIL PLATFORM OBSERVATIONS ABOUT 60 MI WSW OF MORGAN CITY LOUISIANA, ABOUT 55 MI S OF LAFAYETTE LOUISIANA.

LEE IS DRIFTING ERRATICALLY TOWARD THE NORTH NEAR 4 MPH. A SLOW AND POSSIBLY ERRATIC MOTION TOWARD THE NORTH OR NORTH-NORTHWEST IS EXPECTED DURING THE NEXT 24 HOURS...FOLLOWED BY A TURN TOWARD THE NORTHEAST. ON THE FORECAST TRACK...THE CENTER OF LEE IS EXPECTED TO CROSS THE LOUISIANA COAST LATER THIS AFTERNOON OR EVENING...THEN MOVE SLOWLY ACROSS SOUTHERN LOUISIANA ON SUNDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 60 MPH WITH HIGHER GUSTS. SOME FLUCTUATIONS IN STRENGTH ARE POSSIBLE THIS AFTERNOON AND TONIGHT...WITH GRADUAL WEAKENING FORECAST TO OCCUR BY SUNDAY AFTERNOON.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 230 MILES FROM THE CENTER. AN OFFSHORE OIL RIG SOUTH OF SABINE PASS RECENTLY REPORTED A SUSTAINED WIND OF 50 MPH AND A GUST TO 60 MPH AT AN ELEVATION OF 230 FEET ABOVE THE SURFACE.

REPORTS FROM OFFSHORE OIL RIGS AND LOUISIANA STATE UNIVERSITY COASTAL OBSERVING SITES INDICATE THE MINIMUM CENTRAL PRESSURE IS 989 MB...29.21 INCHES.

HAZARDS AFFECTING LAND

RAINFALL...TROPICAL STORM LEE IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES FROM THE CENTRAL GULF COAST NORTHWARD INTO THE TENNESSEE VALLEY...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES THROUGH SUNDAY. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING AND FLASH FLOODING.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE LOUISIANA COAST...AND BY AS MUCH AS 1 TO 3 FEET ABOVE GROUND LEVEL ALONG THE MISSISSIPPI AND ALABAMA COASTS INCLUDING MOBILE BAY. SEE PRODUCTS ISSUED BY LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES FOR MORE DETAILS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO CONTINUE OVER PORTIONS OF THE WARNING AREA TONIGHT INTO SUNDAY...AND POSSIBLY INTO MONDAY.

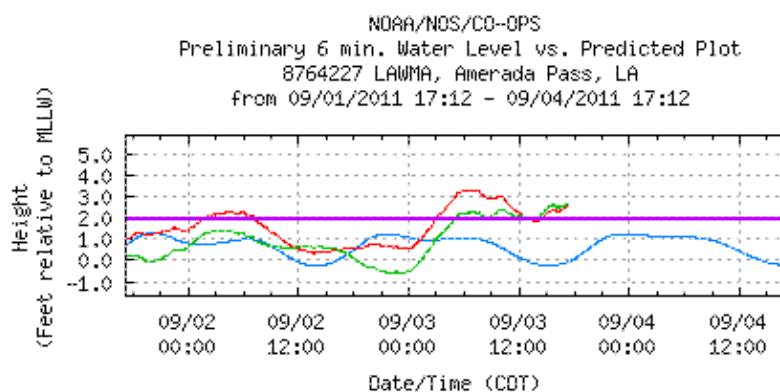
TORNADOES...A FEW TORNADOES WILL BE POSSIBLE THROUGH TONIGHT OVER PORTIONS OF SOUTHERN LOUISIANA... SOUTHERN MISSISSIPPI... SOUTHERN ALABAMA...AND THE FAR WESTERN FLORIDA PANHANDLE.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Pensacola - Water Level](#), [Pensacola - Barometric](#), [Mobile State Docks - Water Level](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#),

LAWMA, Amerada Pass, LA - Return to List



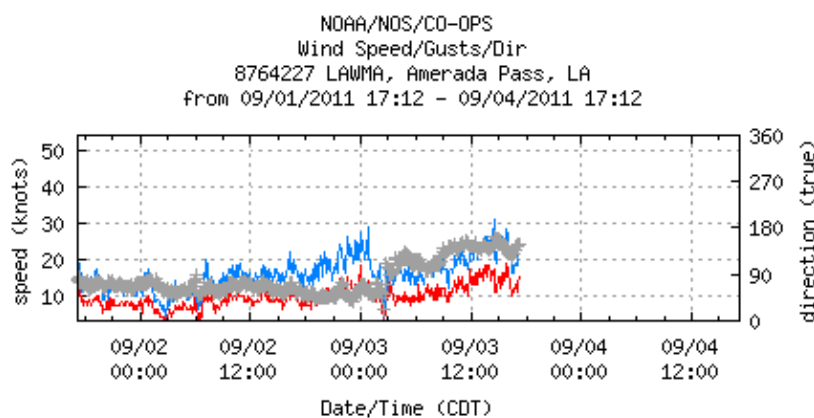
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 17:12 (CDT)

Relative to MLLW: **Observed: 2.58 ft.** **Predicted: -0.08 ft.** **Residual: 2.66 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

LAWMA, Amerada Pass, LA - Return to List

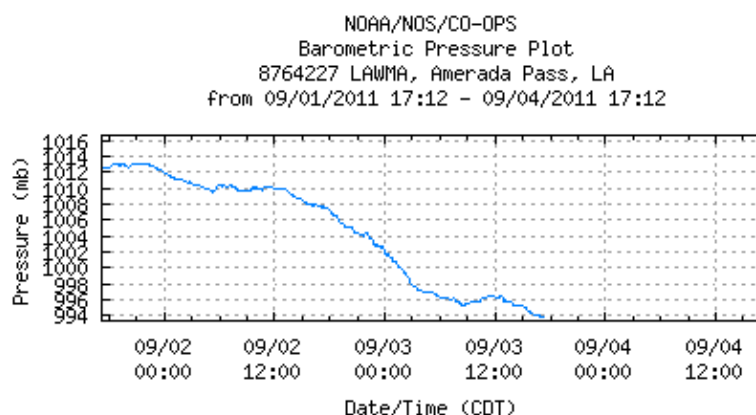


speed — gusts — direction +

Last Observed Sample: 09/03/2011 17:12 (CDT)

Wind Speed: 15 knots **Gusts: 23 knots** **Direction: 147° T**

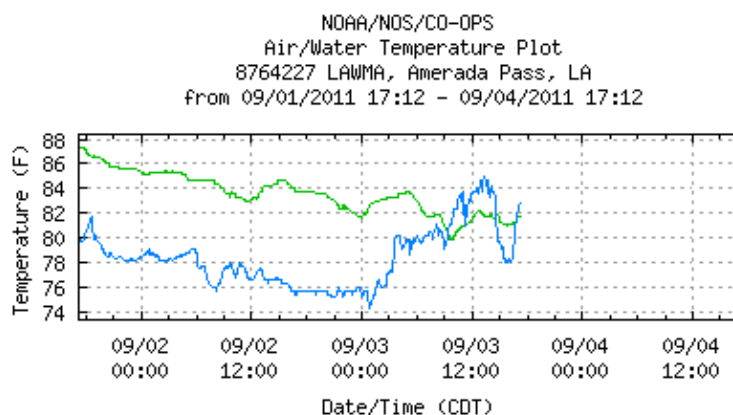
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 17:12 (CDT)

Barometric Pressure: 993.9 mb

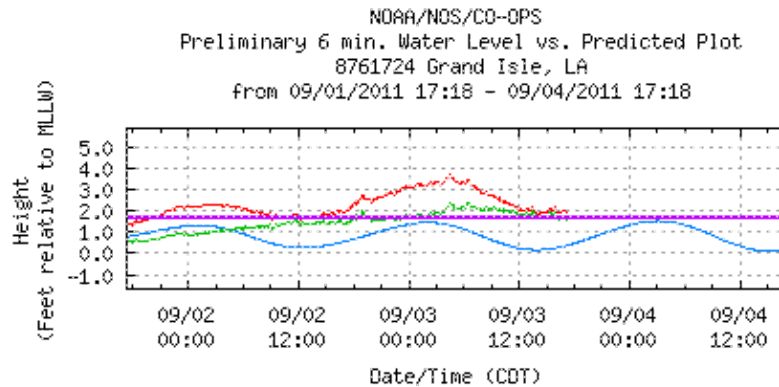
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 17:12 (CDT)

Water Temperature: 81.7° F Air Temperature: 82.8° F

Grand Isle, LA - Return to List

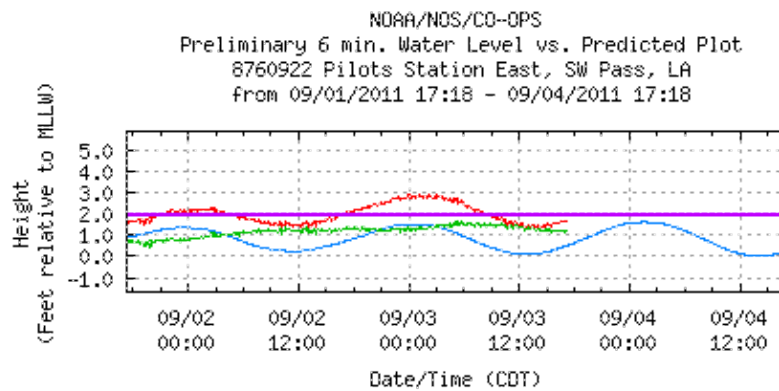


Last Observed Sample: 09/03/2011 17:12 (CDT)

Relative to MLLW: **Observed: 1.90 ft.** **Predicted: 0.37 ft.** **Residual: 1.53 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

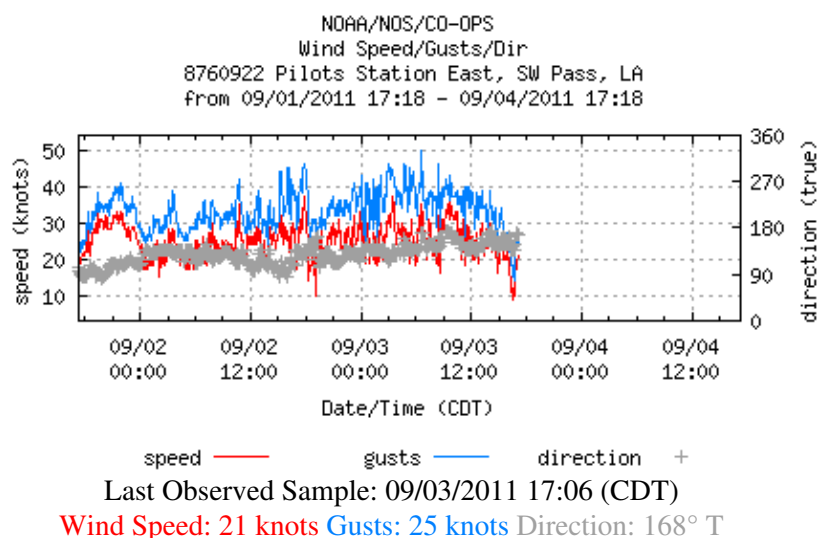


Last Observed Sample: 09/03/2011 17:06 (CDT)

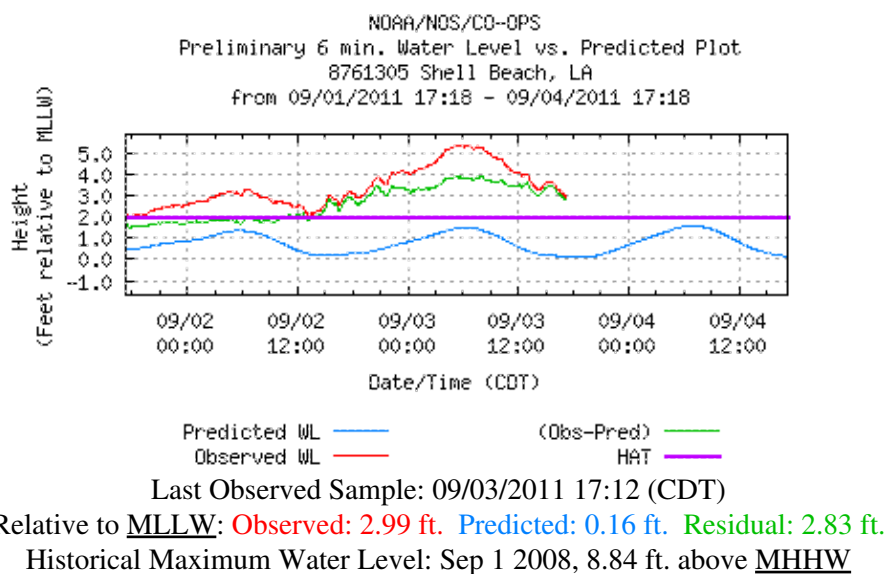
Relative to MLLW: **Observed: 1.70 ft.** **Predicted: 0.49 ft.** **Residual: 1.21 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

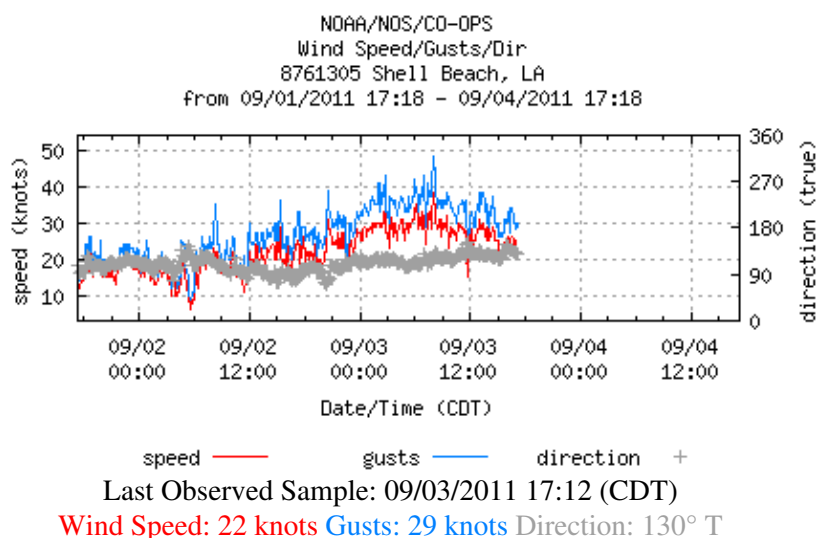
Pilots Station East, SW Pass, LA - Return to List



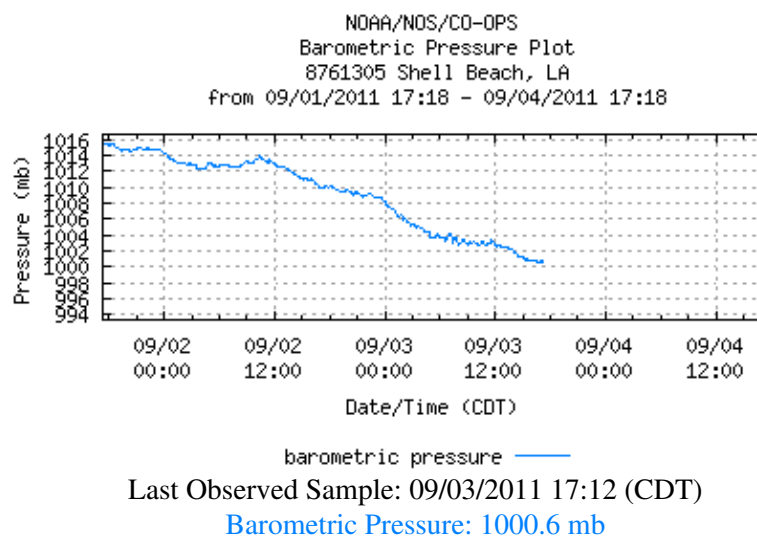
Shell Beach, LA - Return to List



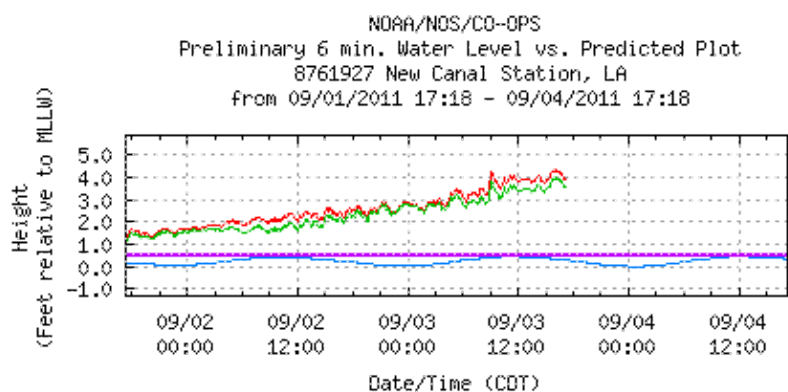
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



New Canal Station, LA - Return to List



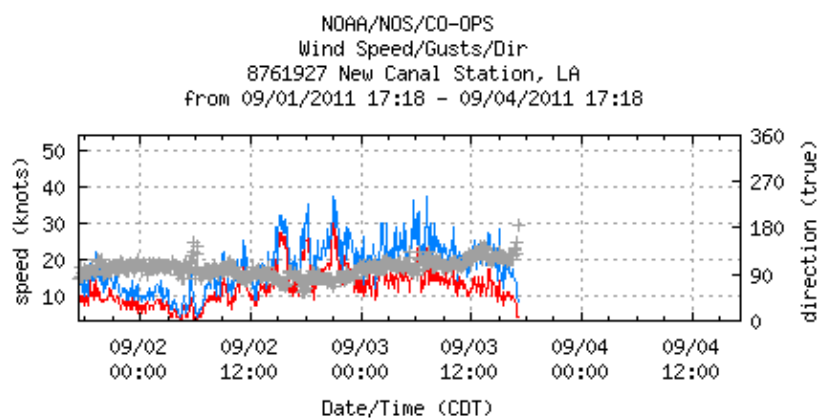
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 17:06 (CDT)

Relative to MLLW: **Observed: 3.90 ft.** **Predicted: 0.30 ft.** **Residual: 3.60 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

New Canal Station, LA - Return to List

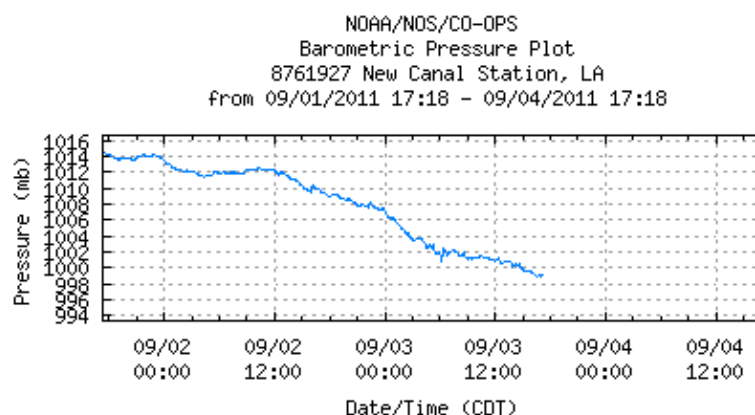


speed — gusts — direction +

Last Observed Sample: 09/03/2011 17:06 (CDT)

Wind Speed: 4 knots **Gusts: 8 knots** **Direction: 186° T**

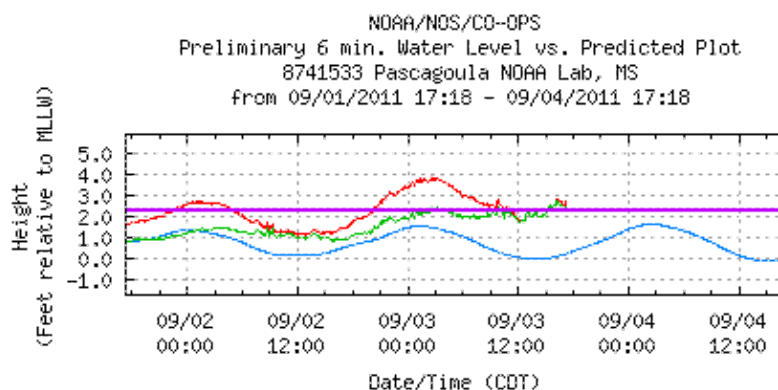
New Canal Station, LA - Return to List



Last Observed Sample: 09/03/2011 17:06 (CDT)

Barometric Pressure: 999.1 mb

Pascagoula NOAA Lab, MS - Return to List

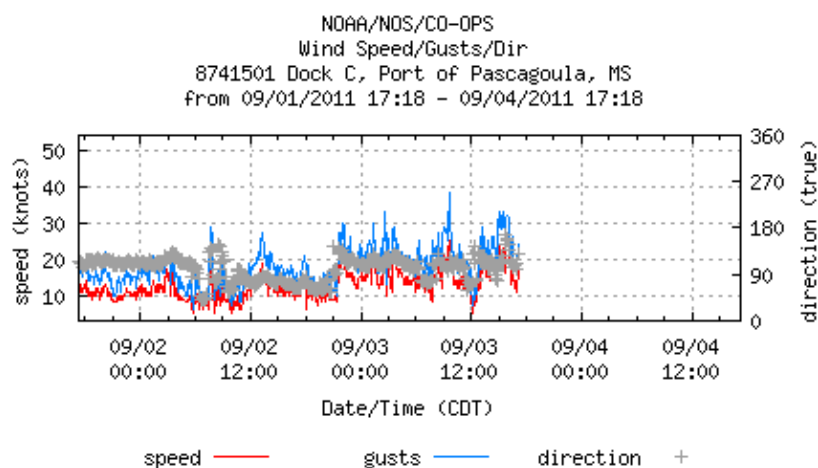


Last Observed Sample: 09/03/2011 17:12 (CDT)

Relative to MLLW: **Observed: 2.68 ft.** **Predicted: 0.23 ft.** **Residual: 2.45 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

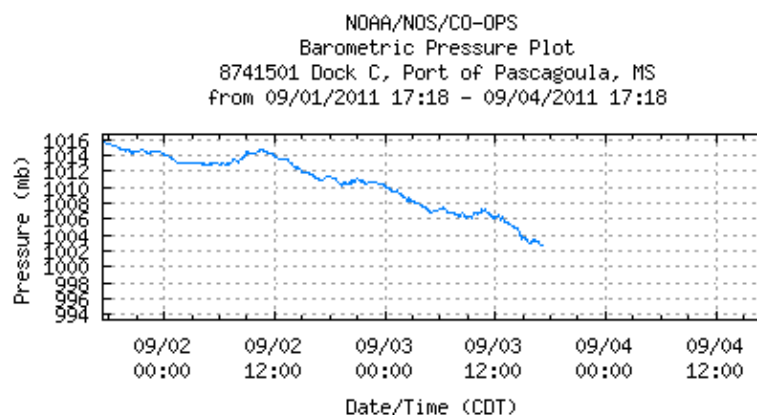
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 09/03/2011 17:06 (CDT)

Wind Speed: 17 knots Gusts: 24 knots Direction: 130° T

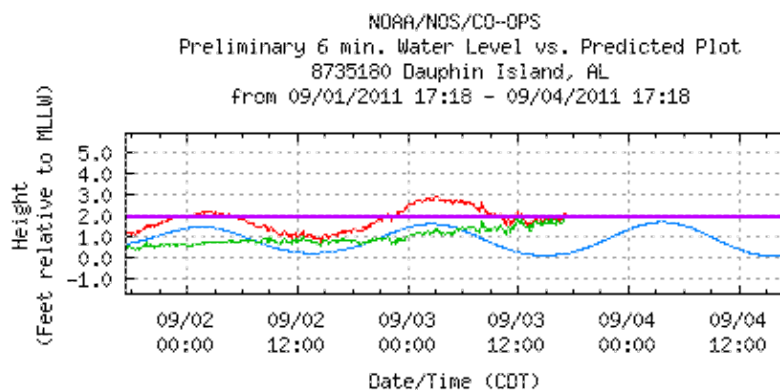
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 09/03/2011 17:06 (CDT)

Barometric Pressure: 1002.7 mb

Dauphin Island, AL - Return to List

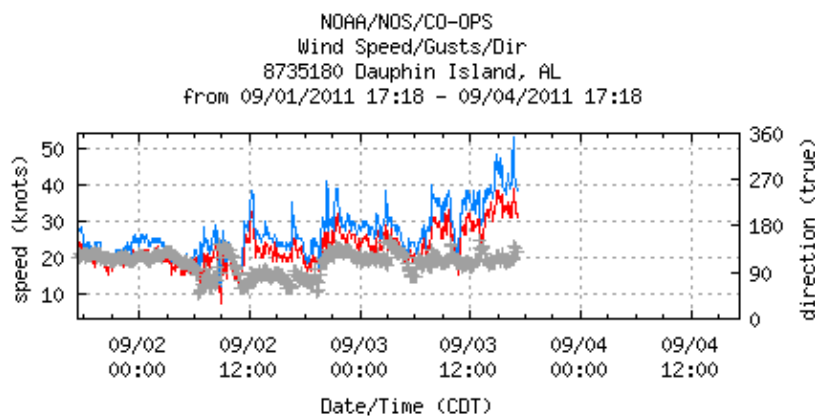


Last Observed Sample: 09/03/2011 17:06 (CDT)

Relative to MLLW: **Observed: 2.06 ft.** **Predicted: 0.19 ft.** **Residual: 1.87 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

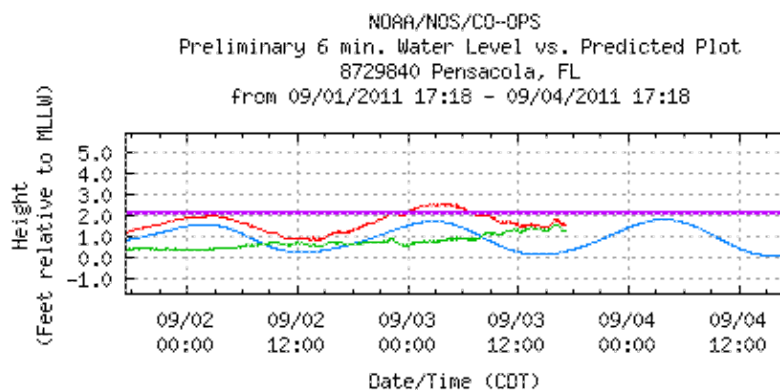
Dauphin Island, AL - Return to List



Last Observed Sample: 09/03/2011 17:06 (CDT)

Wind Speed: 31 knots **Gusts: 38 knots** **Direction: 129° T**

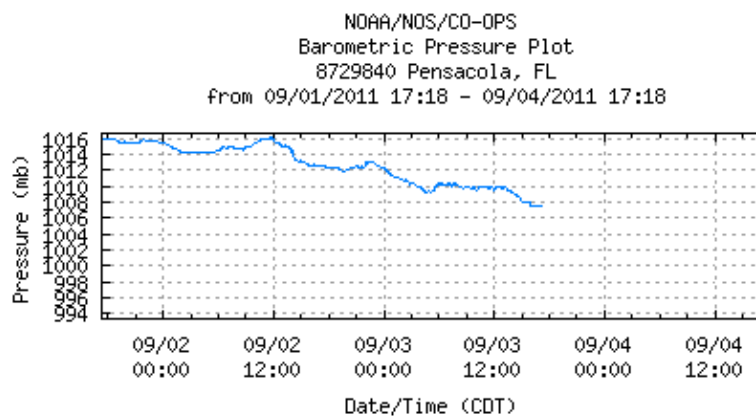
Pensacola, FL - Return to List



Predicted WL — (Obs-Pred) —
Observed WL — HAT —

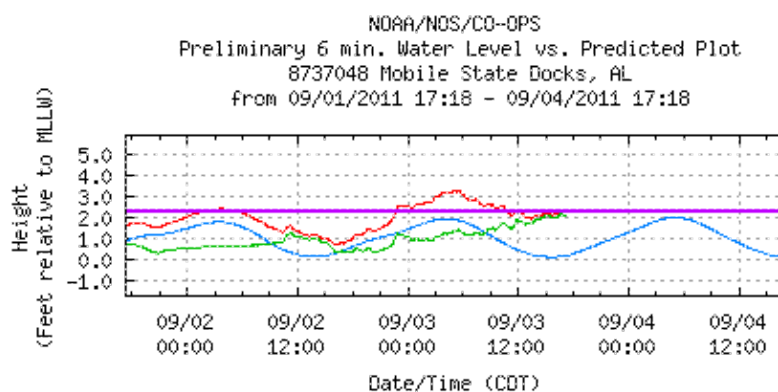
Last Observed Sample: 09/03/2011 17:12 (CDT)
Relative to MLLW: **Observed: 1.59 ft. Predicted: 0.30 ft. Residual: 1.29 ft.**
Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

Pensacola, FL - Return to List



barometric pressure —
Last Observed Sample: 09/03/2011 17:12 (CDT)
Barometric Pressure: 1007.5 mb

Mobile State Docks, AL - Return to List

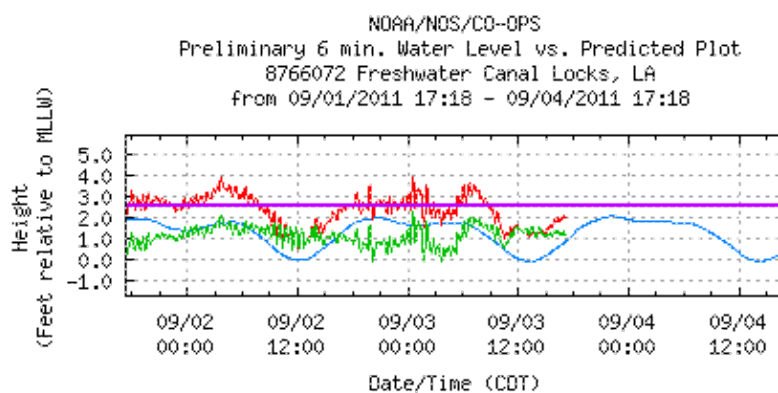


Last Observed Sample: 09/03/2011 17:06 (CDT)

Relative to MLLW: **Observed: 2.28 ft.** **Predicted: 0.18 ft.** **Residual: 2.10 ft.**

Historical Maximum Water Level: Sep 26 2002, 3.64 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

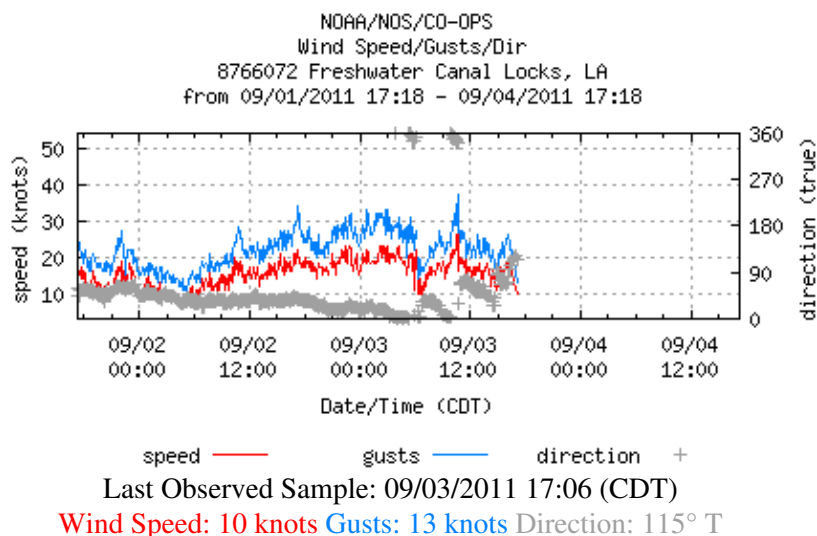


Last Observed Sample: 09/03/2011 17:06 (CDT)

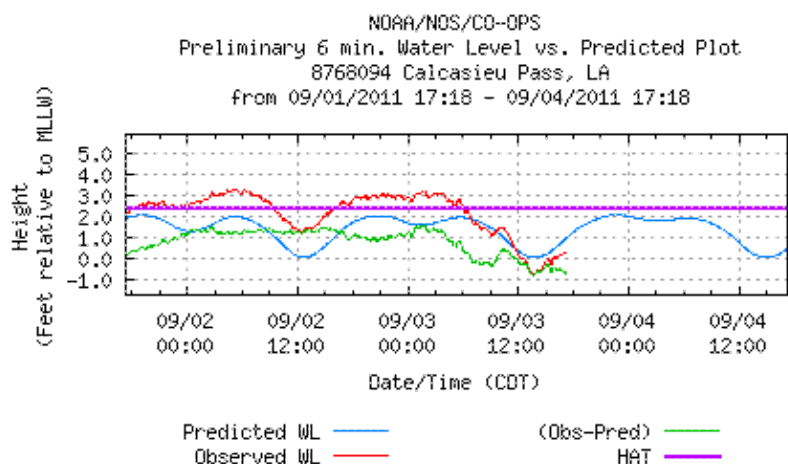
Relative to MLLW: **Observed: 2.01 ft.** **Predicted: 0.84 ft.** **Residual: 1.17 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

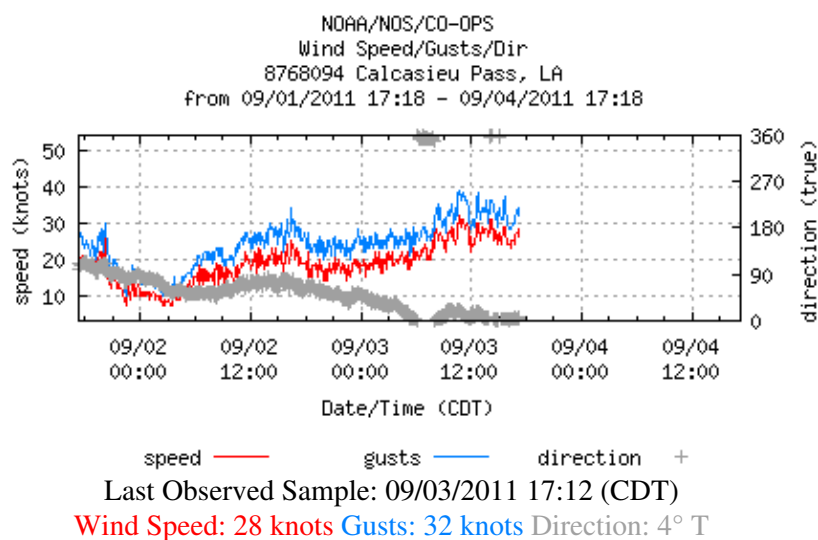


Calcasieu Pass, LA - Return to List

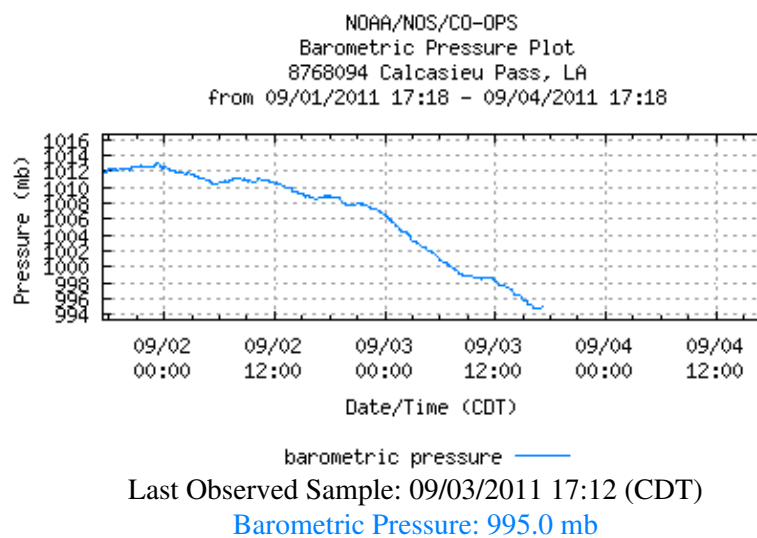


Last Observed Sample: 09/03/2011 17:12 (CDT)
Relative to MLLW: Observed: 0.28 ft. Predicted: 0.96 ft. Residual: -0.68 ft.
Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

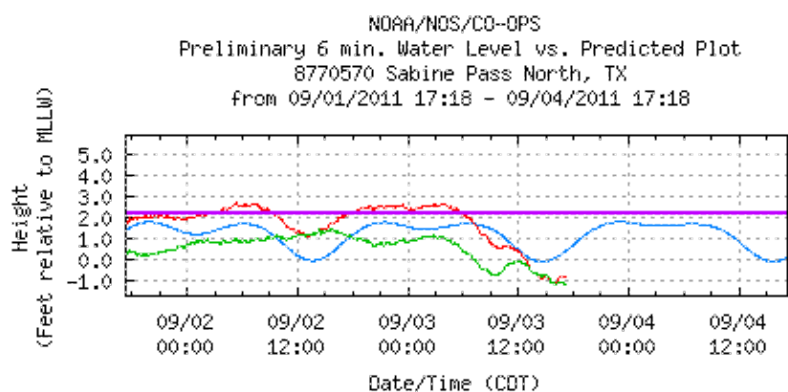
Calcasieu Pass, LA - Return to List



Calcasieu Pass, LA - Return to List



Sabine Pass North, TX - Return to List

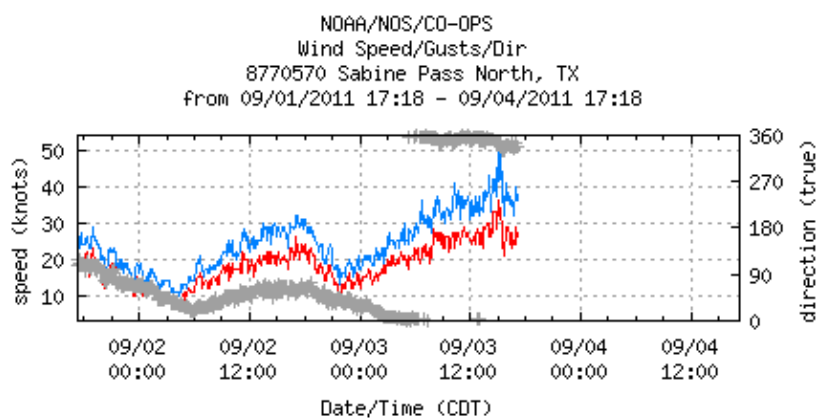


Last Observed Sample: 09/03/2011 17:06 (CDT)

Relative to MLLW: **Observed: -0.83 ft.** **Predicted: 0.39 ft.** **Residual: -1.22 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

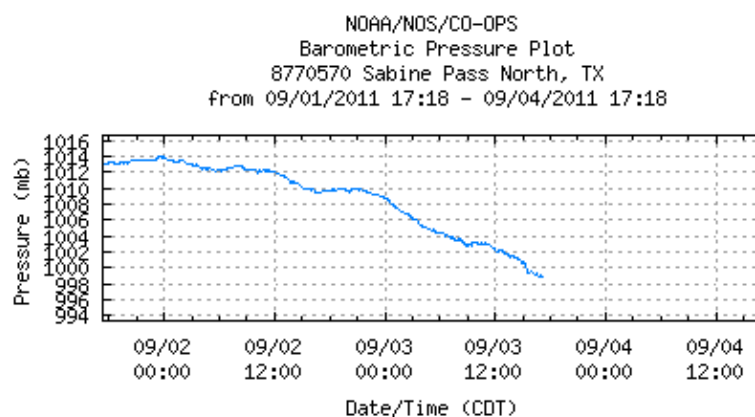
Sabine Pass North, TX - Return to List



Last Observed Sample: 09/03/2011 17:06 (CDT)

Wind Speed: 26 knots **Gusts: 36 knots** **Direction: 337° T**

[Sabine Pass North, TX - Return to List](#)



barometric pressure —

Last Observed Sample: 09/03/2011 17:06 (CDT)

[Barometric Pressure: 999.0 mb](#)

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce